



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Yi Zeng et al.

Examiner: Phuong Huynh

Application No.: 10/538,709

Group Art Unit: 2857

Filed: May 3, 2006

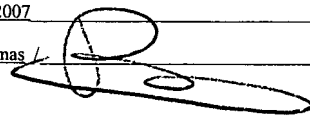
Docket: 1557-2 PCT/US

For: METHOD FOR PROCESSING  
MARINE MAGNETIC  
GRADIENT DATA AND  
EXPLORATION METHODS  
USING THAT DATA

Confirmation No.: 3790

I hereby certify that this correspondence is being deposited with the  
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Dated: June 20, 2007

Signature Barbara Thomas / 

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE PURSUANT TO 37 C.F.R. §1.111**

Sir:

In response to the Office Action dated February 20, 2007, a reply to which is due June 20, 2007 with a one-month extension of time, a petition for which is concurrently filed herewith, please amend the above-identified application as follows:

Amendments to the Claims begin on page 2 of this submission.

Amendments to the Drawings begin on page 11 of this submission and include an attached replacement sheet and an annotated sheet showing changes made in an Appendix attached following page 14 of this submission.

Remarks/Arguments begin on page 12 of this submission.